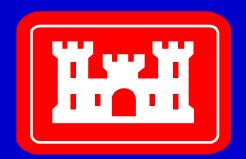




US Army Corps of Engineers
Safety & Occupational Health
Management During Sep 11, 2001
& Hurricanes Katrina & Rita
Presented by Jim Woodey

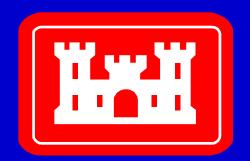


September 11, 2001 Two Topics



Overall Project Management at Staten Island Landfill

Follow-up WTC On-site Deployment Medical Screening

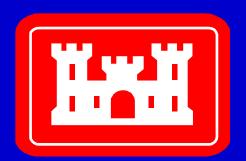


Staten Island Landfill



Overall SOH Management was accomplished by a Unified Health & Safety Plan.

The Purpose of the Plan was to facilitate the cooperation of all Government & Private Entities working on-site so the H&S of all site workers was a priority.



Staten Island Landfill



The below entities contributed to development of the H&S Plan:

USEPA, FBI, USCG, USACE, OSHA, NYPD, N.Y. City Dep. of Sanitation, N.Y. City Dep. Of Health, N.Y. State Dep. Of Environmental Conservation, Phillips & Jordan, Evans Environmental & Geosciences

Follow-up WTC On-site Deployment Medical Screening Started 16 Nov 01



Background: Numerous NY City Firefighters who deployed to WTC on or a week after 11 Sep. have complained of respiratory problems due to potential exposure to airborne contaminants.

<u>Process:</u> Using NY City guidelines, 116 identified Corps employees were E-mailed a Follow-up Medical Screening Packet.

Follow-up Medical Screening is voluntary. However, if any of the 116 employees decline participation, they are to complete a Declination stating they have declined Follow-up Medical Screening.

EM & SOH TAKING CARE OF PEOPLE!

Follow-up WTC On-site Deployment Medical Screening Status By Division Total Employees = 116

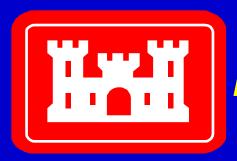


	ERDC	HEC	LRD	MVD	NAD NWD	SAD	SPD	SWD	
Number of Employees	1	1	6	11	33	27	25	8	2
Screened	1	1	5	11	29	27	24	7	1
Exam Recommended			2	8	14	15	11	2	1
Exam <u>NOT</u> Recommended	1	1	3	3	15	12	13	5	
Declination Signed			1		4		1	1	1
Actions Completed									

116 Employees have been Screened or sent in a Declination

Complete Not Complete

EM & SOH TAKING CARE OF PEOPLE!



Hurricanes Katrina & Rita Mission Scope

- ROE's: 236,020
- Temporary Roofs: 194,300
- Temporary Housing: 44,155
- Generator Pre-installation inspections: 2,406
- Debris: 63,632,006 cy
- Demolition: 6,908,100 cy
- Sand Removed: 16,463 cy
- FEMA Mission Total: \$4,401,167,000





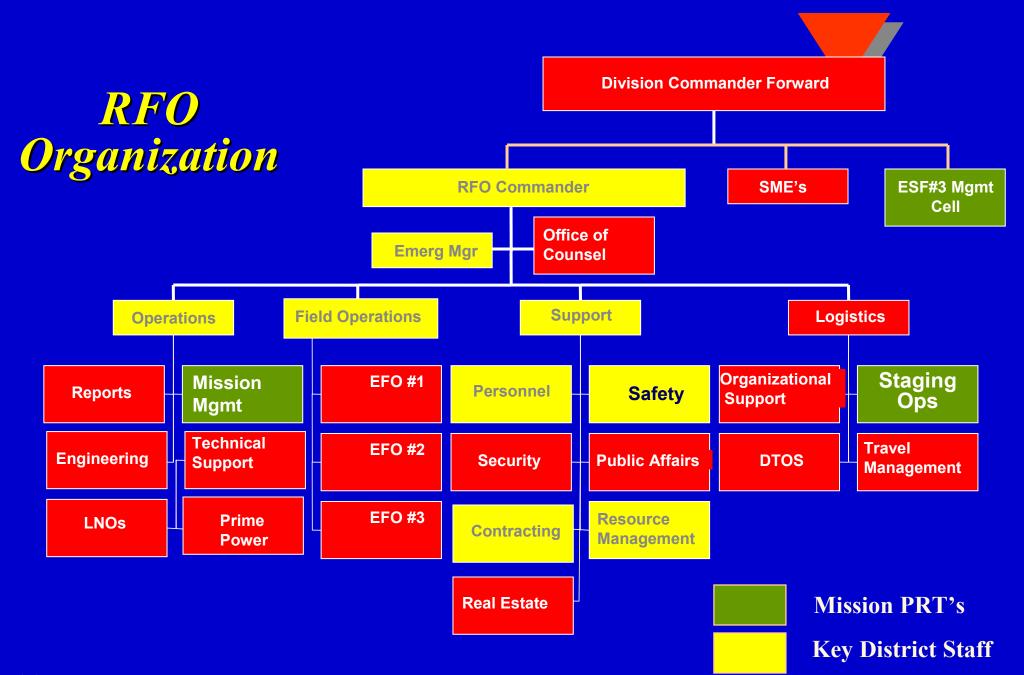
USACE SOH Organization Related to Civil Emergency Operations

1 National Program Manager

8 Planning & Response Teams 5 members each

Recovery Field Offices (RFO) as Needed

Emergency Field Offices (EFO) as Needed



Deployable Tactical Operations Center - DTOC





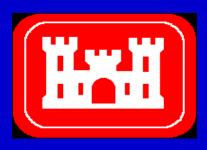


Satcom



KVAGenerator

ECCV
(Emergency Command
& Control Vehicle)



DEPLOYABLE TACTICAL OPERATIONS CENTER (DTOC)

PURPOSE: Four Vehicles Supporting 38 Person Staff for RFO Operations

- 2 Emergency Tactical Operations
 Centers (ETOC)
- 1 Emergency Support Vehicle (ESV)
- 1 Emergency C² Vehicle (ECCV)

COMPONENTS:

1 Network 26 Computers

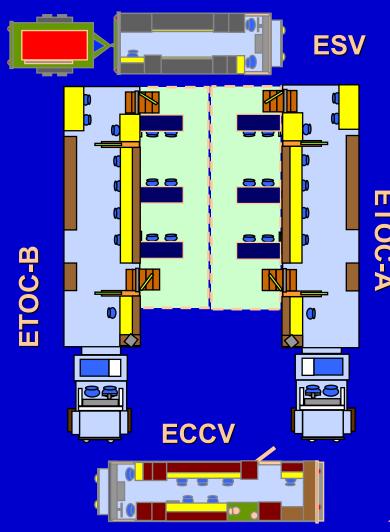
Phone Lines VHF, HF, & CB

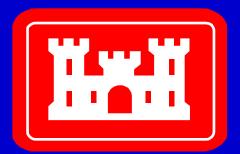
Cell Phones SAT Com

Digital Imagery GPS Equipment

Photocopiers Self-Contained Power

(40 KW Generator)









1 Mgr.

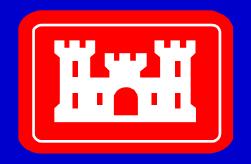
1 IH

1 Nurse

1 Admin



1 Field Coordinator *





RFO

EFO-N

SOH Spec

SOH Spec

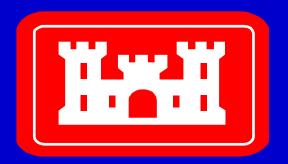
EFO-E

SOH Spec

EFO-S

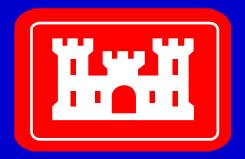
SOH Spec & IH **EFO-W**

SOH Spec & IH



Onsite Safety & Occupational Health Lessons Learned



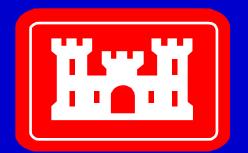


USACE SOH Documents

EM 385-1-1 Safety and Health Requirements Manual 3 Nov 03

EM 385-1-1 Appendix B Emergency Recovery Operations Lessons Learned from AARs Documented for Revision

EP 500-1-10 Chapter 7 Field "Toolbox"
Safety and Occupational Health Lessons
Learned from AARs Added to Revised EP





SOH Orientations & Training

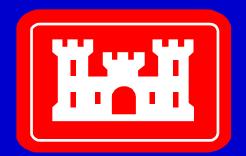
Accident Reporting Logs & Procedures

Possible Environmental Health Hazards

Sample SitReps & Transition Info for RFO & EFO

Contractor Man-hours Formulas

Building Assessment & Demolition





Position Hazard Analysis

Equipment Checklist

Quality Assurance Representative Checklist

Diagrams

Sample Contractor Activity Hazard Analyses

Sample Contractor SOH Submittals

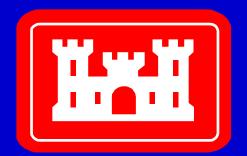




POSITION HAZARD ANALYSIS

Purpose: To identify QAR's major activities, location, hazards, and controls.

Policy: The Position Hazard Analysis shall be utilized by QAR Supervisors as the job specific Safety & Occupational Health indoctrination.





Position Hazard Analysis

Equipment Checklist

Quality Assurance Representative Checklist

Diagrams

Sample Contractor Activity Hazard Analyses

Sample Contractor SOH Submittals





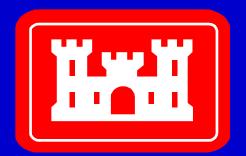
EQUIPMENT CHECKLISTS

Purpose: Assure that all equipment utilized in emergency recovery operations are safe to use.

Policy: Before equipment is placed in use, it shall be inspected and certified to be in safe operating condition.



- 1. Crawler, Truck & Wheel Mounted Cranes
 - 2. Motor Vehicles, Trailers and Trucks
 - 3. Crawler Tractors and Dozers
 - 4. Scrapers and Motor Graders
 - 5. Chipper, Grinders & Shredders





Position Hazard Analysis

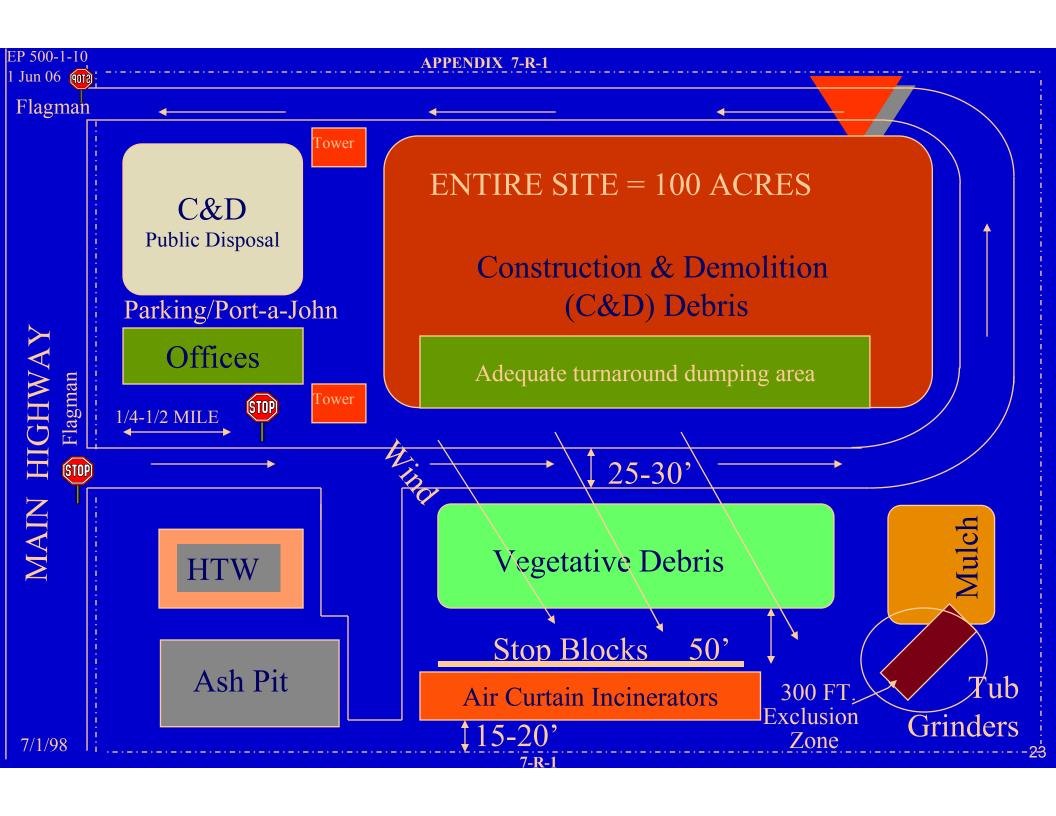
Equipment Checklist

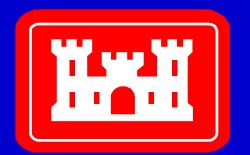
Quality Assurance Representative Checklist

Diagrams

Sample Contractor Activity Hazard Analyses

Sample Contractor SOH Submittals







Position Hazard Analysis

Equipment Checklist

Quality Assurance Representative Checklist

Diagrams

Sample Contractor Activity Hazard Analyses

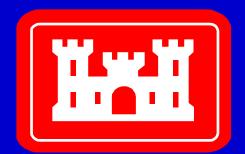
Sample Contractor SOH Submittals



CONTRACTOR ACTIVITY HAZARD ANALYSES (AHA)

Purpose: To identify principal steps, potential hazards and controls associated with the type of work being performed.

Policy: Work will not begin until the AHA has been accepted by the Government's designated authority and discussed with all engaged in the activity.





Position Hazard Analysis

Equipment Checklist

Quality Assurance Representative Checklist

Diagrams

Sample Contractor Activity Hazard Analyses

Sample Contractor SOH Submittals





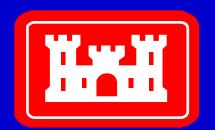
FILL IN THE BLANK CONTRACTOR SOH SUBMITTALS

Purpose: To assure contractors comply with pertinent requirements of EM 385-1-1.

Policy: Work will not begin until appropriate submittals are accepted by the Governments designated authority.



- 1. On-Site Accident Prevention Plan
 - 2. Hazard Communication Plan
 - 3. Confined Space Entry Plan
- 4. Control of Hazardous Energy Program
 - 5. Hurricane and Severe Storm Plan
- 6. Diving Plan and Activity Hazard Analysis
 - 7. Hearing Conservation Program
 - 8. Respirator Protection Program



RFO SOH Manager



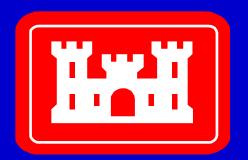
RFO & EFO Staffing & SOH Indoctrinations 3X a Day

Gov & Cont Weekly Manhours Report

Accident Reporting - Two Reports Due Daily – One to OSHA at JFO NLT 15th of Month

Contractor APP Review & Acceptance

Attend: Weekly XO, M/W/F Executive Staff, M/W/F Contractors Safety/Environmental, Weekly Joint Federal Safety, Weekly Area OSHA Joint Safety meetings & Chair two SOH Conference calls weekly



EFO SOH Professional



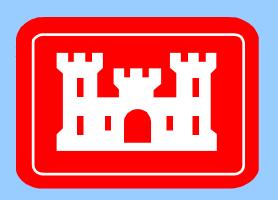
Site Specific SOH Indoctrination

Continuous Onsite SOH Guidance

Reviews Contractor SOH Submittals

Daily SitRep to RFO SOH Mgr & Resident Eng

Accident Reporting & Investigation



QUESTIONS?



EP 500-1-10 Chapter 7 SOH

Diagrams

Sample Contractor SOH Submittals

